

## PATENT COOPERATION TREATY

**PCT**INTERNATIONAL APPLICATION STATUS FORM  
(IASF)

**Date of issue of this IASF:**  
 (the information contained in this IASF reflects the status  
 of the international application as of this date)  
 10 February 2006 (10.02.2006)

From the INTERNATIONAL BUREAU

To:

UNITED STATES PATENT AND TRADEMARK OFFICE  
 Commissioner for Patents,  
 P.O.Box 1450  
 Alexandria VA 22313-1450  
 ETATS-UNIS D'AMERIQUE

| I - INTERNATIONAL APPLICATION |   |   |
|-------------------------------|---|---|
| I-1                           | International application number:   | PCT/KR2003/001494   |
| I-2                           | International filing date:  | 25 July 2003 (25.07.2003)   |
| I-3                           | Earliest priority date:   | Not applicable  |
| I-4                           | Title of the invention:   | METHOD OF PREPARATION OF OPTICALLY ACTIVE ALCOHOLS  |
| I-5                           | International Patent Classification:  | <sup>7</sup> C07C 29/00, 67/03, C07F 15/00, B01J 31/24  |
| I-6                           | Language of filing:   | Korean  |
| I-7                           | The State for which the Office acts as a designated Office has been designated in the international application:  | Yes   |
| I-7-1                         | Indication of the State(s) designated in the international application in respect of which the Office acts as a designated Office (only where the designated Office is a regional Office):      | Not applicable  |
| I-7-2                         | The international application has been considered withdrawn in a declaration made by the receiving Office on (date):  | Not applicable  |
| I-7-3                         | The international application or the designation of the State for which the Office acts as a designated Office has been withdrawn by the applicant (date on which withdrawal became effective): | Not applicable  |
| I-7-4                         | Kind of protection or treatment:  | Patent  |
| I-7-4-1                       | Identification of parent application or parent grant:   | Not applicable  |
| I-8                           | Date of receipt of record copy by the International Bureau:   | 15 August 2003 (15.08.2003)   |
| I-9                           | Applicant(s) and/or inventor(s) for the State(s) for which the Office acts as a designated Office   |   |
| I-9-1                         | Applicant and/or inventor   |   |
| I-9-1-1                       | Data currently on record  |   |
| I-9-1-1-1                     | Applicant's and/or inventor's name:   | KIM, Mahr-Joo   |
| I-9-1-1-2                     | Address:  | #6-1405 Professors Apt. 756 Jigok-dong, Nam-gu, Pohang 790-751 Gyeongsangbuk-do Republic of Korea |
| I-9-1-1-3                     | State of nationality:   | KR  |
| I-9-1-1-4                     | State of residence:   | KR  |
| I-9-1-1-5                     | This person is:   | Applicant and inventor  |

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| I-9-1-2   | Data previously on record (in case of a change recorded by the International Bureau under Rule 92bis):   | No data previously on record available for inclusion in this IASF; any such data is available from the IB. |
| I-9-1-3   | Indication of the State(s) designated in the international application for the purposes of which the person is an applicant and/or inventor (only where the designated Office is a regional Office): | Not applicable   |
| I-9-2     | Applicant and/or inventor  |  |
| I-9-2-1   | Data currently on record   |  |
| I-9-2-1-1 | Applicant's and/or inventor's name:  | PARK, Jaiwook  |
| I-9-2-1-2 | Address:   | #6-501 Professors Apt. 756 Jigok-dong, Nam-gu, Pohang 790-751 Gyeongsangbuk-do Republic of Korea           |
| I-9-2-1-3 | State of nationality:  | KR   |
| I-9-2-1-4 | State of residence:  | KR   |
| I-9-2-1-5 | This person is:  | Applicant and inventor   |
| I-9-2-2   | Data previously on record (in case of a change recorded by the International Bureau under Rule 92bis):   | No data previously on record available for inclusion in this IASF; any such data is available from the IB. |
| I-9-2-3   | Indication of the State(s) designated in the international application for the purposes of which the person is an applicant and/or inventor (only where the designated Office is a regional Office): | Not applicable   |
| I-9-3     | Applicant and/or inventor  |  |
| I-9-3-1   | Data currently on record   |  |
| I-9-3-1-1 | Applicant's and/or inventor's name:  | CHUNG, Yong Il   |
| I-9-3-1-2 | Address:   | #109-401 Hyoja-Green Apt. Jigok-dong, Nam-gu, Pohang 790-752 Gyeongsangbuk-do Republic of Korea            |
| I-9-3-1-3 | State of nationality:  | KR   |
| I-9-3-1-4 | State of residence:  | KR   |
| I-9-3-1-5 | This person is:  | Applicant and inventor   |
| I-9-3-2   | Data previously on record (in case of a change recorded by the International Bureau under Rule 92bis):   | No data previously on record available for inclusion in this IASF; any such data is available from the IB. |
| I-9-3-3   | Indication of the State(s) designated in the international application for the purposes of which the person is an applicant and/or inventor (only where the designated Office is a regional Office): | Not applicable   |
| I-9-4     | Applicant and/or inventor  |  |
| I-9-4-1   | Data currently on record   |  |
| I-9-4-1-1 | Applicant's and/or inventor's name:  | CHOI, Jun Ho   |
| I-9-4-1-2 | Address:   | #2-301 POSTECH Graduate Apt. 756 Jigok-dong, Nam-gu, Pohang 790-834 Gyeongsangbuk-do Republic of Korea     |
| I-9-4-1-3 | State of nationality:  | KR   |
| I-9-4-1-4 | State of residence:  | KR   |
| I-9-4-1-5 | This person is:  | Applicant and inventor   |
| I-9-4-2   | Data previously on record (in case of a change recorded by the International Bureau under Rule 92bis):   | No data previously on record available for inclusion in this IASF; any such data is                        |

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|           |  | available from the IB.  |
| I-9-4-3   | Indication of the State(s) designated in the international application for the purposes of which the person is an applicant and/or inventor (only where the designated Office is a regional Office): | Not applicable  |
| I-9-5     | Applicant and/or inventor  |   |
| I-9-5-1   | Data currently on record   |   |
| I-9-5-1-1 | Applicant's and/or inventor's name:  | LEE, Han Ki   |
| I-9-5-1-2 | Address:   | #402 Geukdong-Junglim Apt. 426 Janglim-dong, Saha-gu 604-040 Busan Republic of Korea                          |
| I-9-5-1-3 | State of nationality:  | KR  |
| I-9-5-1-4 | State of residence:  | KR  |
| I-9-5-1-5 | This person is:  | Applicant and inventor  |
| I-9-5-2   | Data previously on record (in case of a change recorded by the International Bureau under Rule 92bis):   | No data previously on record available for inclusion in this IASF; any such data is available from the IB.    |
| I-9-5-3   | Indication of the State(s) designated in the international application for the purposes of which the person is an applicant and/or inventor (only where the designated Office is a regional Office): | Not applicable  |
| I-9-6     | Applicant and/or inventor  |   |
| I-9-6-1   | Data currently on record   |   |
| I-9-6-1-1 | Applicant's and/or inventor's name:  | CHOI, Yoon Kyung  |
| I-9-6-1-2 | Address:   | #103-1203 Byeoksan-Bando Town Yoogeum-ri, Gangdong-myeon, Gyeongju 780-911 Gyeongsangbuk-do Republic of Korea |
| I-9-6-1-3 | State of nationality:  | KR  |
| I-9-6-1-4 | State of residence:  | KR  |
| I-9-6-1-5 | This person is:  | Applicant and inventor  |
| I-9-6-2   | Data previously on record (in case of a change recorded by the International Bureau under Rule 92bis):   | No data previously on record available for inclusion in this IASF; any such data is available from the IB.    |
| I-9-6-3   | Indication of the State(s) designated in the international application for the purposes of which the person is an applicant and/or inventor (only where the designated Office is a regional Office): | Not applicable  |
| I-9-7     | Applicant and/or inventor  |   |
| I-9-7-1   | Data currently on record   |   |
| I-9-7-1-1 | Applicant's and/or inventor's name:  | KIM, Daeho  |
| I-9-7-1-2 | Address:   | 245 Sooseok-ri, Sacheon-eub, Sacheon 664-805 Gyeongsangnam-do Republic of Korea                               |
| I-9-7-1-3 | State of nationality:  | KR  |
| I-9-7-1-4 | State of residence:  | KR  |
| I-9-7-1-5 | This person is:  | Applicant and inventor  |
| I-9-7-2   | Data previously on record (in case of a change recorded by the International Bureau under Rule 92bis):   | No data previously on record available for inclusion in this IASF; any such data is available from the IB.    |
| I-9-7-3   | Indication of the State(s) designated in the international   | Not applicable  |

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|  | application for the purposes of which the person is an applicant and/or inventor (only where the designated Office is a regional Office):   |                                      |
| I-10   | The international application contains sequence listings and/or tables filed under Section 801(a) of the Administrative Instructions:   | No                                   |
| I-11   | The following declaration(s) referred to in Rule 4.17 made for the purposes of the State(s) for which the Office acts as a designated Office was (were) contained in the international application as filed or received by the International Bureau before the expiration of the time limit under Rule 26ter.1: |                                      |
| I-11-1   | Declaration(s) as to the identity of the inventor (Rules 4.17(i) and 51bis.1(a)(i)):  | Not applicable                       |
| I-11-2   | Declaration(s) as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)):  | Not applicable                       |
| I-11-3   | Combined declaration(s) as to the identity of the inventor (Rules 4.17(i) and 51bis.1(a)(i)) and the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)) :   | Not applicable                       |
| I-11-4   | Declaration(s) as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):  | Not applicable                       |
| I-11-5   | Declaration(s) of inventorship (only for the purposes of the designation of the United States of America) (Rules 4.17(iv) and 51bis.1(a)(iv)):  | Not applicable                       |
| I-11-6   | Declaration(s) as to non-prejudicial disclosures or exceptions to lack of novelty (Rules 4.17(v) and 51bis.1(a)(v)):  | Not applicable                       |
| <b>II - PRIORITY CLAIMS</b>                            |   | <b>Not applicable</b>                |
| <b>III - INTERNATIONAL SEARCH REPORT</b>               |   |                                      |
| III-1  | International Searching Authority carrying out the international search:  | ISA/KR                               |
| III-2  | International search report or declaration under Article 17 (2)(a) received by the International Bureau:  | Yes                                  |
| III-3  | Corrected version(s) of the international search report (if any) received by the International Bureau:  | Not applicable                       |
| <b>IV - REFERENCE TO DEPOSITED BIOLOGICAL MATERIAL</b> |   | <b>Not applicable</b>                |
| <b>V - INTERNATIONAL PUBLICATION</b>                   |   |                                      |
| V-1  | International publication number:   | WO 2005/009935 (A1)                  |
| V-2  | International publication date:   | 03 February 2005 (03.02.2005)        |
| V-3  | Language of publication:  | English                              |
| V-4  | Number of figure of drawing published together with the abstract:   | Not applicable                       |
| V-5  | Republication(s) (republishing date(s) and reason(s)):  | Not applicable                       |
| <b>VI - INTERNATIONAL PRELIMINARY EXAMINATION</b>      |   |                                      |
| VI-1   | A demand electing the State(s) for which the Office acts as an elected Office has been received by the International Preliminary Examining Authority (where the elected Office is a regional Office, indication of the State(s) elected in respect of which the Office acts as an elected Office):              | Yes<br>25 February 2005 (25.02.2005) |
| VI-2   | The election was made before/after the expiration of 19 months from the priority date:  | Before                               |
| VI-3   | The election or the demand containing the election of the State(s) for which the Office acts as an elected Office has been considered not to have been made or submitted in a   | Not applicable                       |

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|      | declaration made by (the International Bureau/the competent International Preliminary Examining Authority) on (date):   |  |
| VI-4 | The election or the demand containing the election of the State(s) for which the Office acts as an elected Office has been withdrawn by the applicant (date on which withdrawal became effective being the date of receipt of the notice of withdrawal by the International Bureau) (Rule 90bis.4): | Not applicable                                       |
| VI-5 | International Preliminary Examining Authority carrying out international preliminary examination:   | IPEA/KR  |
| VI-6 | International preliminary examination report received by the International Bureau:  | Yes  |
| VI-7 | Corrected version(s) of the international preliminary examination report (if any) received by the International Bureau:   | Information not available for inclusion in this IASF |

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| <p>The International Bureau of WIPO<br/>34, chemin des Colombettes<br/>1211 Geneva 20, Switzerland</p> <p>Facsimile No. +41 22 740 14 35</p> | <p>Authorized officer<br/><b>Idhir Britel</b></p> <p>e-mail <a href="mailto:pct.cor@wipo.int">pct.cor@wipo.int</a><br/>Telephone No. +41 22 338 83 38</p> |
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